

WHAT IS CLAIMED AS NEW AND IS DESIRED TO BE SECURED BY LETTERS
PATENT OF THE UNITED STATES:

1. A method for inputting information including coordinate data, comprising:
 - 5 providing at least one camera at a corner of a display;
 - extracting, based on outputs from the at least one camera, a predetermined object from an image including the predetermined object above a plane;
 - recognizing, based on outputs from the at least one camera, a shape of the predetermined object and determining whether the predetermined object is a coordinate input member;
 - 10 detecting, based on outputs from the at least one camera, a motion of the predetermined object while the predetermined object is within a predetermined distance from the plane; and
 - determining whether to input predetermined information.
- 15 2. A method for inputting information including coordinate data according to claim 1, wherein the at least one camera includes at least two cameras in opposite corners of the display.
- 20 3. A device for inputting information including coordinate data, comprising:
 - at least one camera at a corner of a display;
 - an object extracting device configured to extract a predetermined object from an image including the predetermined object above a plane;
 - a shape recognition device configured to recognize a shape of the predetermined object and determine whether the predetermined object is a coordinate input member;
 - 25 a motion detector device configured to detect a motion of the predetermined object while the predetermined object is within a predetermined distance from the plane; and
 - a controller configured to determine whether to input predetermined information.
- 30 4. A device for inputting information including coordinate data according to claim 3, wherein the at least one camera includes at least two cameras in opposite corners of the display.
5. A device for inputting information including coordinate data, comprising:

- at least one imaging means at a corner of a display;
means for extracting, based on outputs from the at least one imaging means, a predetermined object from an image including the predetermined object above a plane;
means for recognizing, based on outputs from the at least one imaging means, a shape
5 of the predetermined object and determining whether the predetermined object is a coordinate input member;
means for detecting, based on outputs from the at least one imaging means, a motion of the predetermined object while the predetermined object is within a predetermined distance from the plane; and
10 means for determining whether to input predetermined information.
6. A device for inputting information including coordinate data according to claim 5, wherein the at least one imaging means includes at least two imaging means in opposite corners of the display.
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7. A device for inputting information including coordinate data, comprising:
an object extracting device configured to extract a predetermined object from an image including the predetermined object above a plane;
a shape recognition device configured to recognize a shape of the predetermined
20 object and determine whether the predetermined object is a coordinate input member;
a motion detector device configured to detect a motion of the predetermined object while the predetermined object is within a predetermined distance from the plane; and
a controller configured to determine whether to input predetermined information.

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